

## CLAIMS

What I claim is:

1. An emergency ingress/egress monitoring system for a  
5 facility comprising:

a. at least one first card reader means, said  
first card reader means being in communication with a base  
computer, said base computer being capable of storing and  
transmitting ingress and egress data received from said at least  
10 one first card reader means;

b. a plurality of second card reader means capable  
of wireless communication with a portable computer;

c. said portable computer being in communication  
with said base computer, and said portable computer further being  
15 capable of processing, visually displaying, and generating printed  
displays of census data transmitted from said base computer,  
wherein communication between said base computer and said portable  
computer and processing of ingress data and egress data received by  
said first card reader means and by said plurality of second card  
20 reader means allows the evacuation status of a facility to be  
accurately determined in real time.

2. The system of claim 1 wherein said portable computer  
is adapted to communicate with telephone transmitters and to  
25 respond to information received via said telephone transmitters.

3. The system of claim 1 wherein the facility is an office building.

4. The system of claim 1 wherein the facility is an educational facility.

5. The system of claim 1 wherein the facility is a health care facility.

6. The system of claim 1 wherein the facility is a residential care facility.

7. The system of claim 1 wherein the facility comprises at least one vehicle.

8. The system of claim 1 wherein the facility is a ship.

9. The system of claim 1 wherein said portable computer is capable of generating printed images of schematic diagrams of the facility.

10. The system of claim 1 wherein said at least one first card reader means, said base computer, said portable computer, and said plurality of second card reader means each has an independent power supply element each of which said independent power supply

elements is automatically activated under emergency conditions, including any power failure.

11. The system of claim 10 wherein said independent power supply element associated with said portable computer and with said plurality of second card reader means each have solar power panels to recharge said independent power units and said independent power units for said base computer and said at least one first card reader means are charged by drip charge devices.

12. The system of claim 10 wherein said at least one first card reader means communicates directly by wireless means with said portable computer.

13. A system to monitor facility ingress/egress comprising:

- a. a plurality of a card reader means capable of communicating ingress/egress data to a computer;
- b. said computer unit capable of processing and storing sequential ingress and egress data so as to produce a record of census data of occupants of a facility at any time;
- c. a means to warn attendants when egress census data do not agree with prior ingress data and to identify the missing individuals.